

| L Number | Hits | Search Text | DB | Time stamp |
|-------------|------|---|--|---------------------|
| 3 | 389 | ((623/1.1) or (623/1.15) or (623/1.16) or (623/1.3) or (623/1.1) or (623/1.49)).CCLS.) and graft | USPAT; US-PGPUB; EPO; DERWENT | 2002/06/02 11:00 |
| 4 | 27 | ((623/1.1) or (623/1.15) or (623/1.16) or (623/1.3) or (623/1.1) or (623/1.49)).CCLS.) and graft) and ether | USPAT; US-PGPUB; EPO; DERWENT | 2002/06/02 11:00 |
| 5 | 2 | ((623/1.1) or (623/1.15) or (623/1.16) or (623/1.3) or (623/1.1) or (623/1.49)).CCLS.) and graft) and ether) and mdi | USPAT; US-PGPUB; EPO; DERWENT | 2002/06/02 11:01 |



Guide to Elast-EonTM Medical Polymers

| Material Family | Chemistry | Features | Examples of Potential Applications | Range of Possible Grades |
|---------------------------------|--|--|--|--------------------------|
| Elast-EonTM 1 | Polyhexamethylene oxide (PHMO), aromatic polyurethane | Improved environmental resistance over PTMO polyurethanes | Short term implants for up to 29 days E.g. EP or angioplasty catheters | 80A-75D (Shore) |
| Elast-EonTM 2 | Siloxane based macrodiol, aromatic polyurethane | Biostability indistinguishable from Pellethane [®] 55D Additive free | Long term implants E.g. pacing and defibrillation leads, vascular devices, stent-grafts, PICC lines, LVAD sacs | 80A-55D (Shore) |
| Elast-EonTM 3 | Siloxane based macrodiol, modified hard segment, aromatic polyurethane | Flexibility approaching that of silicone, biostability indistinguishable from Pellethane [®] 55D Additive free | Long term implants requiring high flexibility E.g. membranes, finger joints, vascular devices, catheters for neurological use | 65A-80A (Shore) |
| Elast-EonTM 4 | Modified aromatic hard segment polyurethane | Rigid material with high heat distortion temperature Additive free | Long term implants requiring "structural strength" E.g. pacemaker, LVAD housings, orthopaedic implants | 55D-85D (Shore) |

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